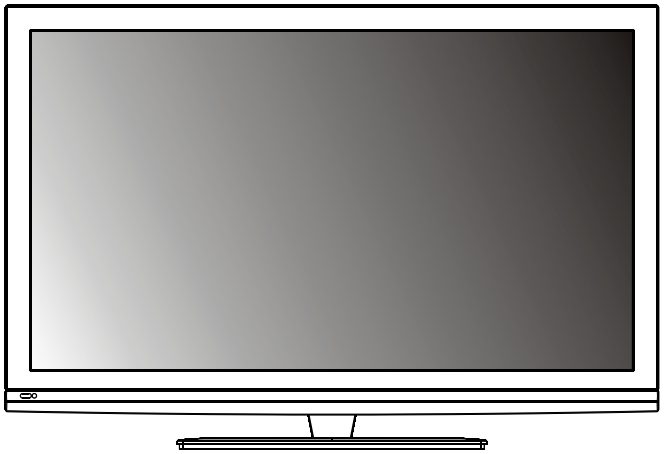
Skyworth

Instruction Manual



LED-32E60

Size:A5

Description: MANUAL(8M29H)	
Job No. 10A011H	Brand Name: SKYWORTH
MODEL: 32E60	P/No.
REV:0	Scale:
Engineering Dept:	
Artwork By:	Date: 2010-10-13
Checked By:	Date:
Approved By:	Date:

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WARNING AND PRECAUTION

Read all of the instructions before operating the set. Keep these instructions well for later use.

PRODUCT

- The ventilation should not be impeded by covering the ventilation openings with items, such as newspaper, table-cloths, curtains, etc.
- Do not push any objects of any kind into this unit through the cabinet slots as they could touch the current carrying parts or short-circuit parts, resulting in fire, electric shock, or damage to the unit.
- Unplug the set when it is not used for a long period of time.
- Do not dismantle this product by yourself as this may cause damage.
- Do not touch the screen surface with fingers as this may scratch or mar the LCD screen.
- Do not impact the LCD screen with hard pressure as this may damage the LCD screen severely.
- The battery (battery or batteries or battery pack) shall not be exposed to excessive heat such as sunshine, fire or the like.

POWER

- Please use the core plug as required.

PLUG

Unplug the set under the following conditions:

- If the set will not be used for a long period of time.
- If the power cord or the power outlet/plug is damaged.
- Follow the instructions to install and adjust the product. Adjust those controls that are covered in this operating instructions as improper adjustment of other controls may result in damage. If this happens, unplug the set and refer to the service personnel.
- If the set is subject to impact or has been dropped to have the cabinet damaged.

POWER CORD & SIGNAL CABLE

- Protect the power cord & signal cable from being trampled.
- Do not overload the power cord or power outlet.
- Do not expose the power cord & signal cable to moisture.
- Please protect the power cord or signal cable and do not stomp, twist and squeeze it. Careful inspect to the power cord and signal cable.

WARNING AND PRECAUTION

USE ENVIRONMENT

- Do not install this equipment in a confined space such as a book case or similar unit. To prevent injury, this apparatus must be securely attached to the wall mount fastened on the wall.
- Place the set on a place that allows good ventilation.
- Do not use the set near damp, and cold areas, protect the set from overheating.
- Keep away from direct sunlight.
- The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
- Do not use the set near dust place.
- To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.
- No naked flame sources, such as lighted candles, should be placed on the apparatus.

CLEANING

- Dust the set by wiping the screen and cabinet with a soft, clean cloth.
- Do not apply excessive force to the screen when cleaning.
- Do not use water or other chemical cleaner to clean the screen as this may damage the surface of the LCD screen.

COMMENT

- Time function of this TV set is only a reference. It is not an exact real-time clock.
- This manual is only a guide to operate the TV set. We may change some items of the model. But the change will not affect your normal use. If there are any differences between the Manual and the TV set, please take the TV set as the standard.

INTRODUCTION, FUNCTIONS AND FEATURES

BRIEF INTRODUCTION:

Thanks for your purchase of our digital high-definition LED television! This product with diverse functions is designed to fulfill the optimum requirements from commercial, industrial and household uses. LED television possesses the display function of both TV and PC. It features advanced picture performance, smaller in size and lighter in weight, meanwhile, consumes less power and makes no radiation. The new generation LED provides you with comfortable, safe and environmental protection feeling. Some description could be little different base on different model.

BASIC FUNCTION

1. Auto and manual tuning.
2. AV and YPbPr inputs are available.
3. Full-function infrared remote control.
4. Sleep timer and program recall shortcut.
5. Narrow design of ultra-thin ultra-light.
6. A wealth of reception(TV /AV / YPbPr / PC / HDMI / Uplayer).
7. Digital Still Function.
8. Personal video recorder(PVR) with time-shifting.

PC MONITOR FUNCTIONS

1. Auto resizing & centering, perfect geometric graphic.
2. Supports PC sound source input.
3. Supports 640x480,800x600,1024x768,1280x1024, PC formats, refresh rate is 60Hz.

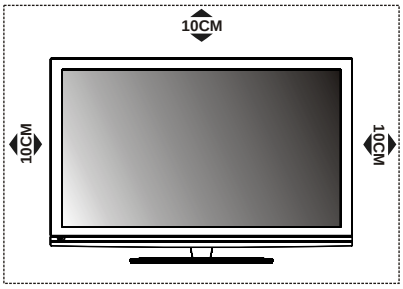
FEATURES

1. Embedded digital color gain control circuit, provides better brightness and reality.
2. Embedded 5-line comb filter.
3. Black/white Level Stretch Circuit.
4. High class LCD screen features, high brightness, high contrast and wide viewing angle, responding fast.
5. Component input supports 1080P high definition signal formats.
6. Support HDMI input.
7. This TV can be used as a high-performance PC monitor for it has a VGA interface. Computer sound source can also be supported to realize the multimedia function.
8. Low power consumption in standby mode to save energy.
9. Latest high integrated digital processor chip.

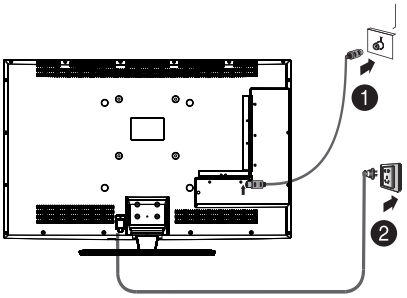
PREPARATION

Positioning The TV Set

Install Display on solid horizontal surface such as a table or desk. For ventilation, leave a space of at least 10cm free all around the set. To prevent any fault and unsafe situations, please do not place any objects on top of the set. This apparatus can be used in tropical and/or moderate climates.



Antenna And Power Connections



1.Connect the antenna cable into the antenna input terminal at the rear panel and wall antenna socket.

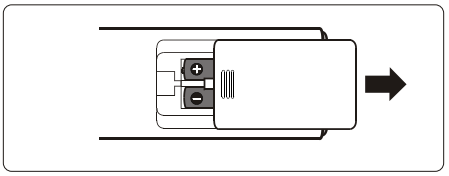
2.Connect the power plug into the wall outlet. (The type of power plug provided may be different from the above picture for some countries.)

Insering Batteries In The Remote Control Handset

◆Remove the battery cover located on the back of the handset by gently pulling up-wards from be indicated part.

◆Insert two AAA Alkaline or equivalent batteries. Following the +/- marking in the battery compartment.

◆Replace the battery cover.



Precautions when using batteries

◆Do not use old and new batteries together.

◆Do not use different types of batteries (for example, Manganese and Alkaline batteries) together.

◆Note that there are chargeable and non-chargeable batteries. Do not attempt to charge non-chargeable batteries.

◆Remove the batteries from the remote control unit if you do not intend to use the unit for a long time.

Note:

- Do not drop the remote control unit.
- Do not subject the remote control unit to physical shocks.
- Keep the remote control unit dry. Wetting it may cause the unit to malfunction.
- Replace the batteries with new ones when operation of the unit deteriorates.

In The Box

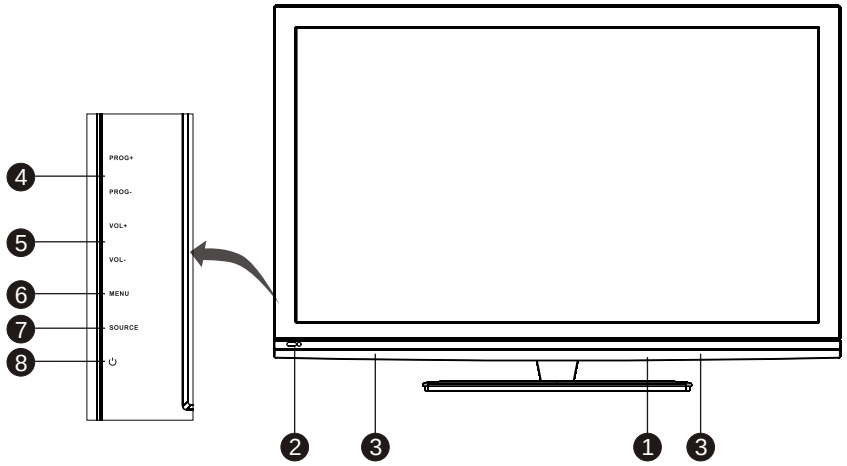
You should have:

- Television
- Remote control
- User Guide
- Warranty Card
- 2 x AAA battery
- Stand

EXTERNAL SCHEMATIC AND INSTALLATION

Front Panel

Note: The graphics are for representation only.



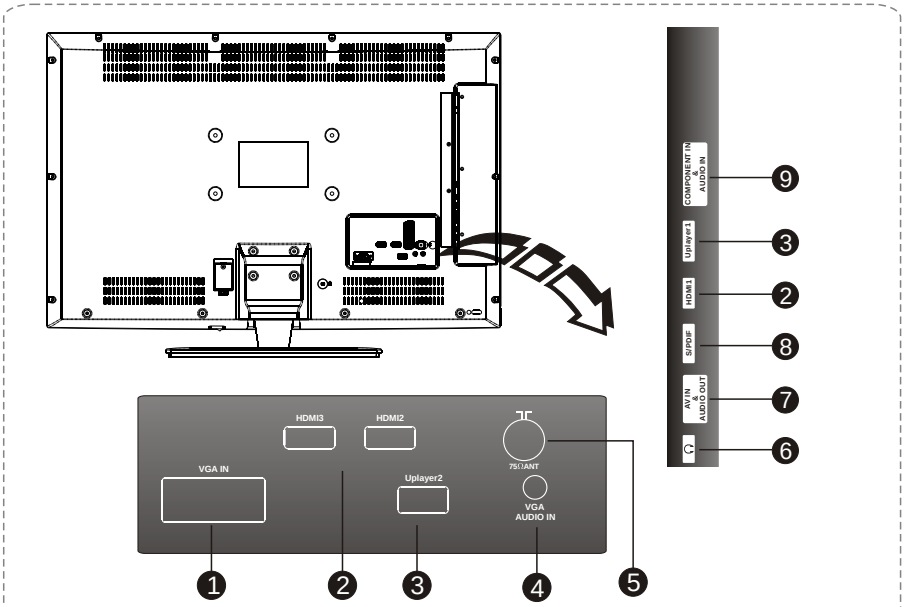
1.Power Button
2.Power Indicator / Remote Sensor
3.Speakers
4.Program Up/Down Button
5.Volume Up/Down Button
6.Menu Button
7.Source Button
8.Standby Button

Note: This machine uses induction buttons. Operation, with the finger on the sensor area corresponding buttons at the center of a ~ 2 seconds or more re-operation; Touch-sensitive areas, the induction zone indicator lights, no touch cases, 10 seconds after the lights automatically switch off sensor area.

EXTERNAL SCHEMATIC AND INSTALLATION

Back Panel

Note: The graphics are for representation only.



1.VGA IN: Connect a PC via a VGA cable.

2. HDMI1\HDMI2\HDMI3: Connect HDMI input signal from signal source such as DVD.

3. Uplayer1\Uplayer2: Uplayer port.

4. VGA AUDIO IN: Audio input for PC and Audio input for HDMI when the signal is DVI timing.

5. RF IN: Connect a coaxial cable to receive signal from the antenna or cable.

6. EARPHONE: Audio output, speakers will be muted when earphone plugged.

7. AV IN: Connect AUDIO and VIDEO input signal from signal source such as DVD.
AUDIO OUT: Connect AUDIO output signal.(Only output ATV & DTV audio.)

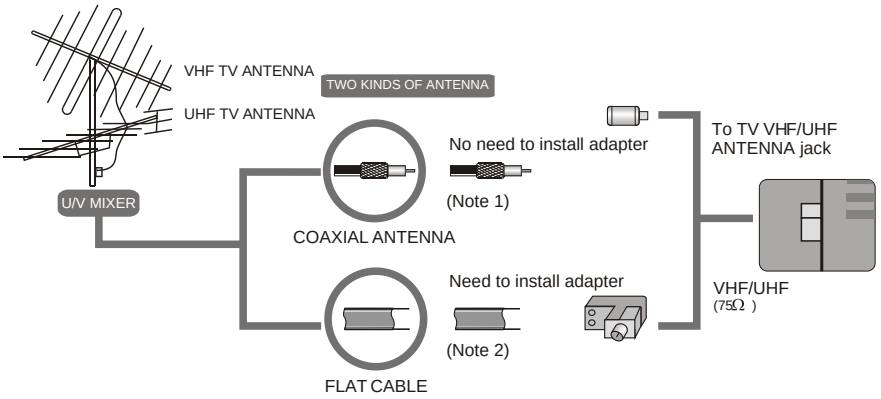
8. S/PDIF: Use a digital optical cable to connect your TV to a compatible audio receiver.

9. Y Pb Pr(Component input): Connect YPbPr signal from signal source such as DVD.
AUDIO IN: Connect the AUDIO input signal for YPbPr.

EXTERNAL SCHEMATIC AND INSTALLATION

Antenna /Cable Connection

There are two kinds of antenna in use.



1. Connect the plug of the antenna cable or CATV cable to the cable (not provided with this unit), then connect to the antenna input of this unit for best reception.

2. If the antenna cable in your home is other than the above two, or you have problems in installing the antenna, please contact your dealer.

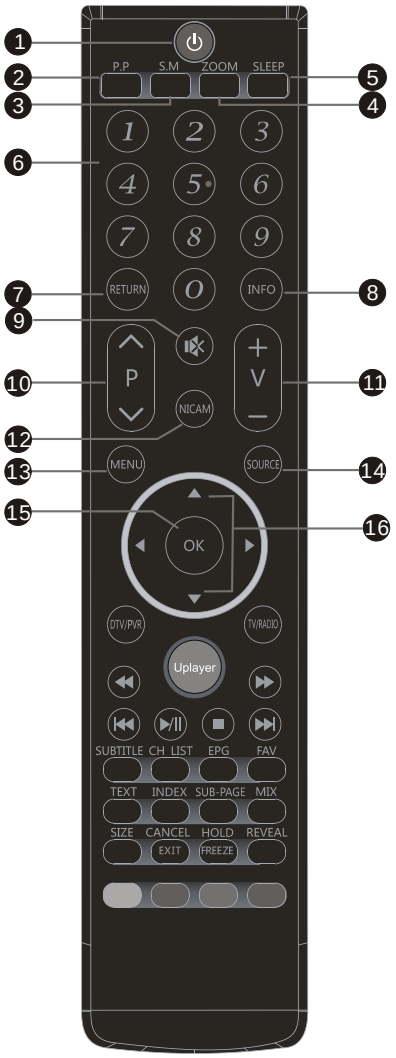
Notes:

1. Current outdoor antenna or cable TV usually use 75 OHM coaxial antenna cable. For better reception, we suggest using this kind of antenna cable.

2. Flat cable or indoor antenna are old designed, the reception may not be good enough.

EXTERNAL SCHEMATIC AND INSTALLATION

Remote Control



1.Standby Button(⏻)
Press to turn the TV on or standby.

2.Picture Mode(P.P)
Press to select the desired picture mode.

3.Sound Mode(S.M)
Press to select the desired sound mode.

4.Zoom Button
Press to the desired picture aspect ratio (Display mode).

5.Sleep Button
Press to set the length of time to switch the TV to standby mode. (Off→10min→20min→30min→60min→90min→120min→180min→240min)

6.Number Buttons
Press to set the TV channel directly.

7.Return Button
Press to return to previously viewed channel.

8.Information Button(INFO)
Press to display the current information including screen format, source, etc.

9.Mute(🔇)
Press to mute or restore the volume.

10.Program Up/Down Buttons (P∧/∨)
Press to select previous/next channel.

11.Volume Up/Down Buttons(V+/V-)
Press to adjust the volume.

12.Nicam Button
Press to select audio language or sound output when receiving a bilingual or stereo programme respectively.

13.Menu Button
Press to enter or exit from the TV menu.

14.Source Button
Press to select the input source mode.

15.OK Button
Press to confirm and execute the selection.

16.Up/Down Buttons(▲ / ▼)
Press to select or adjust the desired item on the TV menu.

EXTERNAL SCHEMATIC AND INSTALLATION

Remote Control

17.Left/Right Buttons(◀ /▶)
Press to adjust the desired item on the TV mode.

18.DTV/PVR Button
Press to activate or quit PVR function in DTV mode.

*19.TV/Radio Button
This button is the switch of the Digital TV program and the Digital Radio broadcast.
(This function will not allow to Hong Kong Market.)

20.Uplayer Button
Playback controls in Uplayer mode.

21.Subtitle Button
You can select the subtitle freely by pressing the SUBTITLE button, if the TV signal comes with Subtitle.

22.CH List Button
Press to display the available channel list in DTV mode.

23.EPG(Electronic Program Guide)
"EPG" is the abbreviation of Digital Electronic Program Guide. In DTV mode, press this button, it can be displayed.

24.Fav. Button
Press to display your favorite channel list.

25.Cancel / Exit Button
Press to exit from OSD display or function.

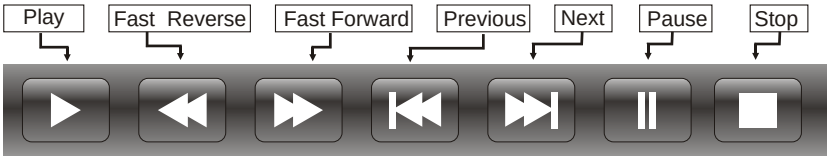
26. Hold / Freeze Button
Press to hold / freeze the picture display.

Personal Video Recording(PVR)

1.Please insert the Media drive into the Uplayer slot before selecting record mode.

2.Select the TV program and channel you wish to record.

3.Press [DTV/PVR] button to enter PVR mode and start recording. PVR control bar on the screen shown below. You can select the appropriate settings required.



4.In the PVR mode, press [▶/II] button to enter Time Shift mode, screen icon in the upper left corner shows[▶]. Press [▶/II] button again to enter Repeat Time Shift mode, screen icon in the upper left corner shows [A-B]. Press[■] button to exit the Repeat Time Shift mode. Press the [■] button twice to exit Time Shift mode.

5.If you wish to stop the recording, press [■] button and the recording will stop.

Note: (A) During the record mode, you cannot change channels or select another function.
(B) If the signal is interrupted or removed while in record, the recording will stop until the signal is established. This may cause you to lose program content.
(C) Please do not turn the TV OFF during recording. This will make the TV exit the PVR and turn to standby.
(D) The file recorded can only be used in this TV, any copy communication is communication is strictly prohibited.

EPG (Electronic Program Guide)

"EPG" is the abbreviation of Digital Electronic Program Guide. In the digital mode, an EPG is provided by the programme providers. To access this press the EPG button on the remote control, the EPG provides programme information for the next number of hours. Press this button, it can be displayed.

1.Press ▲/▼ ◀/▶ to select PROGRAMME GUIDE for TIME. Press ◀/▶ to choose the date you want, then the window will display the selected date channel and program name.

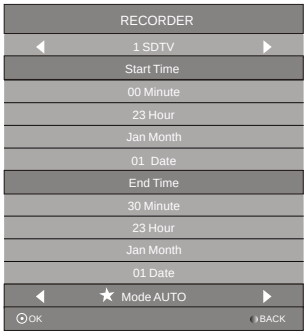
2.Press ▲/▼ ◀/▶ to select PROGRAMME GUIDE for a date. Press ◀/▶ to choose your desired channel, then the window will display the list of selected television programs.

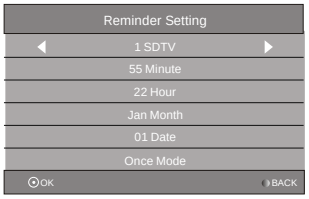
3.RECORDER
Press the RED button, the recorder menu will be show. Press ▲/▼ to select an item and ◀/▶ to change the setting. Press the YELLOW button to enter the program to the schedule list. An updated schedule list will be shown.

4.INFO
Press the GREEN button to show information about the selected program.

5. SCHEDULE
Press the YELLOW button to display the schedule list. Press ▲/▼ select a reminder and press the RED button to delete reminder.

6.REMIND
Press the BLUE button, a reminder setting menu will be show. Press ▲/▼ to select an item and ◀/▶ to change the setting. Press the YELLOW button to enter the program to the schedule list. An updated schedule list will be shown.





Warm Tips:
Please be cautious to use the "SCHEDULE" & "REMIND" function. Because the time function of this TV set is not a real time clock. It is not nicety after a long time working or standby.

MENU CONTROL

This section explains the menus of your TV. Each menu is outlined and detailed to help you get the most from your TV.

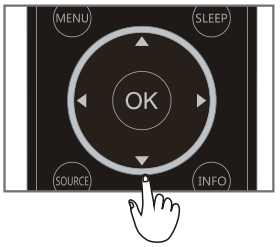
Basic Operation

1. Press MENU on the remote control or on the TV key panel to display the main menu.

2. Press ◀/▶ and ▲/▼to highlight the desired menu/item.

3. Press ◀/▶ to change the setting.

4. Press MENU to save setting and go back to last menu.

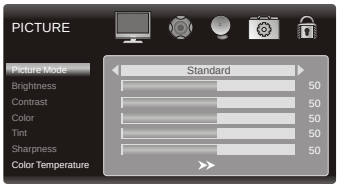


Note:
Button on the key panel have the same functions as the corresponding buttons on the remote control.

The scheme and description are in TV mode as below, there will be a note if there is exception.

Picture Settings

Picture Mode
Adjusts the picture mode: Standard, Mild, Personal, Dynamic four kinds of image mode. "Brightness", "Contrast", "Color", "Tint" and "Sharpness" can only be adjusted when "Picture Mode" is set to "Personal".



Brightness
Adjusts the brightness of the picture, and usually is adjusted together with Contrast.

Contrast
Adjusts the difference between the light and dark areas of the picture. To get better picture value, Contrast should be adjusted to the proper value.

Color
Adjusts the richness of colour. This function is not available in PC mode.

Tint
Adjust the tint of the picture.
Only can be done under the NTSC system.

Sharpness
Adjusts the sharpness of the picture. This function is not available in PC mode.

Color Temperature
Press OK button to enter the color temperature sub menu.
Color Temperature Adjusts the colour temperature of the picture, to select the option: Cool, Medium, Warm, Personal as you desired.

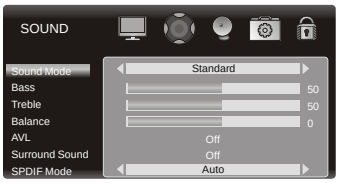
MENU CONTROL

Medium: Keep the original white
Warm: Red
Personal: The user may customize the color temperature.(Red/Green/Blue).
Cold: Blue.

Display Mode
To select five modes are available including: Panoramic, Zoom2, Zoom1,16:9 and 4:3.

DNR
To select four modes of digital noise reduction are available including Off, Low, Middle and High.

Sound Settings



Sound Mode
Equipped with User, Standard, Music, Movie, Sports , Personal five kinds of voice mode for your choice. "Bass" and "Treble" can only be adjusted when "Sound Mode" is set to "Personal".

Bass
Adjusts the lowest part of the sound.

Treble
Adjusts the highest part of the sound.

Balance
Adjusts how much audio (loudness) gets sent to the left and right speakers. Only can be adjusted when "Surround Sound" is set to "Surround".

AVL
This function may be set as On or Off. Auto Volume Level can set the volume automatically adjust corresponding to the input audio.

Surround Sound
Press this option to enter to set Surround or Off.

SPDIF Mode
Select three modes area available including Auto, PCM and DOLBY.
DOLBY only under the alternative DTV and Uplayer other sources default to PCM mode output.

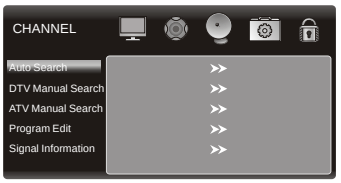
MENU CONTROL

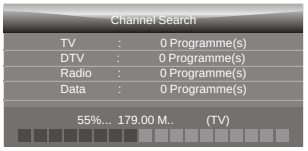
Channel Settings

Note: These settings are only available in ATV and DTV+ATV mode.

Auto Search

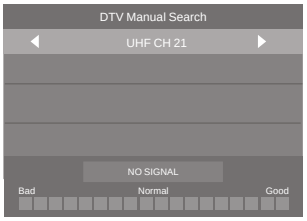
Press ▲/▼button to select Auto Search, then press OK button to enter the auto search sub menu.
A Channel Search Menu will appear as below.

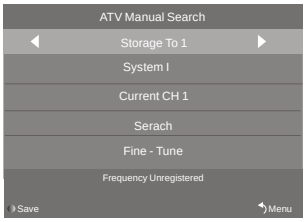




DTV Manual Search/ATV Manual Search

The television shall display the frequencies of all channels and the user may manually tune them.





Program Edit

Enter the interface of program edit. Press the red / green /yellow/blue key to make the corresponding settings, press OK key to confirm.

Signal Information

Show the quality and signal strength of the channel.

MENU CONTROL

Setup Settings

OSD Language

Select you desired OSD language.

∗Hearing impaired

This function is prepare for the Hearing Impaired, when the status on, you can see subtitles in the programs.

∗Country

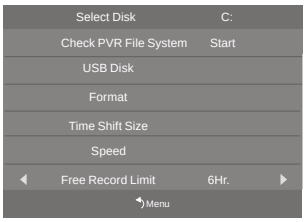
Change your local Country setting.

Notes:

This function is only available in some certain models. It is base on your local TV broadcast service.

PVR File System

To Check and format your USB Disk to compatible for the PVR file system of this model.
Select "Check PVR File System" to check your USB Disk.
Select "Format" to format your USB Disk to compatible for this model.
Select "Free Record Limit" to set the record limit for your USB Disk.



Restore Default

Restore the menu setting to default.

Time

Press OK button to enter the Time sub menu. Depending on your need to select: Time Zone, Clock, Sleep Timer and Auto Sleep settings.

Time Zone: Showing the country's time zone.

Clock: Set the TV clock.

Sleep Timer: Set sleep time. When the set time to sleep, the TV will automatically enter standby mode.

Auto Sleep: Set the Auto Sleep . When the set Auto Sleep, the TV will automatically enter standby mode.

MENU CONTROL

Advanced Settings

Press ◀/▶ button to select Advanced menu, then press OK button to enter. Input password to enter, default password is "0000" .

Set Password
Change the pass word, enter the old password, and then enter the new password twice.

Parental Control
In DTV mode, parents can visit the program level set.

∗ **CI Information**
Set the CI Information.
Notes:
This function is only available in some certain models.

SW. Update(USB)
Update the firmware of this model.
1. Rename the latest firmware to "MERGE.bin".
2. Save the "MERGE.bin" to the root directory of your USB Device.
3. Plug in your USB Device, then enter the item of "SW.Update(USB)" to update.

****Warm prompt*****
Please be cautious to use this function.
SW update is only available on ATV / DTV mode.
In progress of update, please don't switch off the power, or you will cause the TV set to failure.
Any comment, please contact the customer service department for assistance.

TROUBLESHOOTING

NO PICTURE, NO SOUND

1. Check if the fuse or circuit breaker is working.
2. Plug another electrical device into the outlet to make sure it is working or turned on.
3. Power plug is bad contact with the outlet.
4. Check the signal source.

NO COLOR

1. Change the color system.
2. Adjust the saturation.
3. Try another channel. Black-white program may be received.

REMOTE CONTROL DOES NOT WORK

1. Change the batteries.
2. Batteries are not installed correctly.
3. Main power is not connected.

NO PICTURE, NORMAL SOUND

1. Adjust the brightness and contrast.
2. Broadcasting failure may happen.

NORMAL PICTURE, NO SOUND

1. Press the volume up button to increase volume.
2. Volume is set to mute, press MUTE to restore sound.
3. Change the sound system.
4. Broadcasting failure may happen.

UNORDERLY RIPPLES ON THE PICTURE

It is usually caused by local interference, such as cars, daylight lamps and hair driers. Adjust the antenna to minimize the interference.

BLANK SCREEN IN PC MODE

Perhaps the TV can not recognize the resolution set by the PC. Suggest to change to the best resolution or other standard resolutions of Windows system. Set refresh rate to be 60Hz.

SNOWY DOTS AND INTERFERENCE

If the antenna is located in the fringe area of a television signal where the signal is weak, the picture may be marred by dots. When the signal is extremely weak, it may be necessary to install a special antenna to improve the reception.

1. Adjust the position and orientation of the indoor/outdoor antenna.
2. Check the connection of antenna.
3. Fine tune the channel.
4. Try another channel. Broadcasting failure may happen.

IGNITION

Black spots or horizontal streaks appear, or the picture flutters or drifts. This is usually caused by interference from car ignition system, neon lamps, electric drills, or other electrical appliance.

GHOST

Ghosts are caused by the television signal following two paths. One is the direct path, the other is reflected from tall buildings, hills, or other objects. Changing the direction or position of the antenna may improve the reception.

RADIO FREQUENCY INTERFERENCE

This interference produces moving ripples or diagonal streaks, and in some case, loss of contrast in the picture. Find out and remove the radio interference source.

SPECIFICATIONS

Screen size - diagonal:	81cm
Screen resolution:	1920 X1080
Audio output power (L+R):	8W + 8W
Working voltage:	100-240V~ 50/60Hz
Rated power consumption:	80W
Dimensions (W x D x Hmm):	777x210x560mm
Net weight:	10.3Kg

Environment:

Working temperature: 5°C~35°C
Working humidity: 20%~80%
Storage temperature: -15℃~45 °C
Storage humidity: 10%~90%

Channel coverage: 470MHz Full-Channel Cable TV

System:

DTV: DMB-TH
TV: PAL, BG, D/K, I
AV: PAL, SECAM, NTSC

Preset programs: ATV: 99, DTV:400

Status displaying method: On screen display

Function adjustment indicator: Menu display

Language of OSD: English, Traditional Chinese (could be different based on different model)

RF aerial input: 75 ohm unbalanced

AV video input: 75 ohm, 1.0Vp-p, RCA

AV audio input: 10k ohm, 0.5Vrms